

We claim:

1. A method of treating an individual suffering from acute liver failure, comprising administration of a therapeutically amount of mFLINT protein to said individual.

2. A method of treating an individual suffering from inflammation of the liver, comprising administration of a therapeutically amount of mFLINT protein to said individual.

3. A method of treating an individual suffering from abnormal hepatocyte apoptosis, comprising administration of a therapeutically amount of mFLINT protein to said individual.

15 4. A method of treating an individual suffering from sepsis, comprising administration of a therapeutically amount of mFLINT protein to said individual.

20 5. A method of treating an individual suffering from a disorder associated with inflammation, comprising administration of a therapeutically amount of mFLINT protein to said individual.

25 6. A method of treating an individual suffering from hepatitis, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

7. A method of treating an individual suffering from abnormal apoptosis, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

8. A method of treating an individual suffering from an ischemia-associated injury or disorder, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

5 9. A method according to claim 8, wherein said injury or disorder is associated with hypercoagulation.

10 10. A method according to claim 8, further comprising administration of an agent selected from the group selected from thrombolytic and antithrombotic agents.

11. A method according to claim 10, wherein said antithrombotic agent is activated protein C.

15 12. A method of treating an individual suffering from a reperfusion-associated injury or disorder, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

20 13. A method of preventing damage to a cardiac myocyte in an individual that has suffered from abnormal myocardial ischemia, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

25 14. A method of treating an individual suffering from Type I diabetes, comprising administration of a therapeutically amount of mFLINT protein to said individual.

30 15. A method of treating an individual suffering from cancer, comprising administration of a therapeutically effective amount of mFLINT protein to said individual.

16. A method of treating damage to an innocent bystander tissue that
is induced by a chemotherapeutic agent or therapeutic irradiation, in an individual
treated with said agent or irradiation, comprising administration of a therapeutically
effective amount of mFLINT to said individual.

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17. A method according to claim 16, wherein said tissue is bone
marrow.

18. A method according to claim 16, wherein said tissue is the
10 intestinal epithelium.

19. A method according to claim 18, wherein said epithelium is in the
oral cavity.

15 20. A method of treating hematopoietic progenitor cells that have
been exposed to therapeutic radiation or chemotherapy, comprising administering
mFLINT to said cells.

21. A method of promoting the growth or differentiation of a
20 hematopoietic progenitor cell, comprising administering mFLINT to said cell.

22. A method of promoting the growth or differentiation of a CD34+
cell, comprising administering mFLINT to said cell.

25 23. A method for treating cancer, comprising treating bone marrow
cells *in vitro* with mFLINT, and administering said cells to said patient, wherein said
administration occurs after said patient has been treated with therapeutic irradiation or
chemotherapy.

24. A method according to claim 23, wherein said cells are from said patient.

25. A method according to claim 23, wherein said cells are from an
5 individual other than said patient.

26. A method of treating cell damage in a patient who receives therapeutic irradiation or chemotherapy, comprising administering to said patient, a therapeutically effective amount of mFLINT with said irradiation or chemotherapy.

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27. A method according to claim 26, wherein said cell is an intestinal epithelial cell, a hematopoietic progenitor cell, or a peripheral blood cell.

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28. A method of treating aplastic anemia, comprising administering a therapeutically effective amount of mFLINT to a patient suffering from aplastic anemia.

29. A method of treating a myelodysplastic syndrome, comprising administering a therapeutically effective amount of mFLINT to a patient suffering from said syndrome.

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30. A method of treating a pancytopenic condition, comprising
administering a therapeutically effective amount of mFLINT to a patient suffering from
said condition.

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31. An isolated nucleic acid molecule having the sequence of Figure
1.

32. An isolated nucleic acid molecule having the sequence of Figure
3.

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33. An isolated polypeptide having the sequence of Figure 1.

34. An isolated polypeptide having the sequence of Figure 3.

35. A mouse comprising a transgene having the sequence of Figure 1.

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